

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	146227	(synthetic or variant or modif\$ or alter\$) near5 (gene\$1 or sequence\$1 or nucleic acid\$1 or polynucleotide\$1 or dna)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 12:40
L2	5499	codon near3 (choice\$1 or preference\$1 or select\$)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 12:41
L3	62558	(transcription factor\$1 or splice or promoter\$1 or polyadenylat\$ or polyA) near5 (site\$1 or sequence\$1)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 15:33
L4	264	1 same 2 same 3	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 12:42
L5	7548	(transcription factor\$1) near5 (site\$1 or sequence\$1)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 16:11
L6	5	5 same 2	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 16:12
L7	25730	(transcription factor\$1)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 16:11
L8	6	7 same 2	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 16:12

8/24/00

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:16:07 ON 07 DEC 2005

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

0.21	0.48
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FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 16:16:36 ON 07 DEC 2005  
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s (synthetic or variant# or modif? or alter?) (5a) (gene/q or nucleic acid# or polynucleotide# or dna)

FILE 'MEDLINE'

130754 SYNTHETIC  
109066 VARIANT#  
395467 MODIF?  
689389 ALTER?  
178884 NUCLEIC  
1576080 ACID#  
178473 NUCLEIC ACID#  
          (NUCLEIC(W)ACID#)  
9612 POLYNUCLEOTIDE#  
828780 DNA

L1 68418 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI  
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'SCISEARCH'

166145 SYNTHETIC  
120194 VARIANT#  
532232 MODIF?  
698138 ALTER?  
35470 NUCLEIC  
1283465 ACID#  
34980 NUCLEIC ACID#  
          (NUCLEIC(W)ACID#)  
4218 POLYNUCLEOTIDE#  
585166 DNA

L2 62723 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI  
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'LIFESCI'

40588 SYNTHETIC  
36917 VARIANT#  
99276 MODIF?  
186361 ALTER?  
13426 "NUCLEIC"  
330476 ACID#  
13258 NUCLEIC ACID#  
          ("NUCLEIC"(W)ACID#)  
2053 POLYNUCLEOTIDE#  
269500 DNA

L3 34384 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI  
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'BIOTECHDS'

13854 SYNTHETIC  
14976 VARIANT#  
36784 MODIF?  
28976 ALTER?

46833 NUCLEIC  
 145191 ACID#  
 46746 NUCLEIC ACID#  
       (NUCLEIC(W)ACID#)  
 19953 POLYNUCLEOTIDE#  
 137573 DNA  
 L4 22707 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI  
       C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'BIOSIS'

198880 SYNTHETIC  
 111254 VARIANT#  
 388701 MODIF?  
 688547 ALTER?  
 51715 NUCLEIC  
 1372587 ACID#  
 51104 NUCLEIC ACID#  
       (NUCLEIC(W)ACID#)  
 7278 POLYNUCLEOTIDE#  
 1105056 DNA  
 L5 74868 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI  
       C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'EMBASE'

111167 SYNTHETIC  
 94859 VARIANT#  
 352778 MODIF?  
 645174 ALTER?  
 36016 "NUCLEIC"  
 1390439 ACID#  
 35718 NUCLEIC ACID#  
       ("NUCLEIC"(W)ACID#)  
 3827 POLYNUCLEOTIDE#  
 621019 DNA  
 L6 61302 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI  
       C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'HCAPLUS'

576955 SYNTHETIC  
 107935 VARIANT#  
 948060 MODIF?  
 868654 ALTER?  
 176530 NUCLEIC  
 4557288 ACID#  
 175538 NUCLEIC ACID#  
       (NUCLEIC(W)ACID#)  
 20839 POLYNUCLEOTIDE#  
 746698 DNA  
 L7 106675 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI  
       C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'NTIS'

19072 SYNTHETIC  
 4615 VARIANT#  
 97541 MODIF?  
 92104 ALTER?  
 1826 NUCLEIC  
 55104 ACID#  
 1810 NUCLEIC ACID#  
       (NUCLEIC(W)ACID#)  
 134 POLYNUCLEOTIDE#  
 9223 DNA  
 L8 1439 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI  
       C ACID# OR POLYNUCLEOTIDE# OR DNA)

```

FILE 'ESBIOBASE'
    42729 SYNTHETIC
    45019 VARIANT#
    155989 MODIF?
    253324 ALTER?
    26233 NUCLEIC
    384874 ACID#
    26108 NUCLEIC ACID#
        (NUCLEIC(W)ACID#)
    873 POLYNUCLEOTIDE#
    272785 DNA
L9    42921 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
        C ACID# OR POLYNUCLEOTIDE# OR DNA)

```

```

FILE 'BIOTECHNO'
    41250 SYNTHETIC
    41198 VARIANT#
    86734 MODIF?
    148127 ALTER?
    19939 NUCLEIC
    371908 ACID#
    19837 NUCLEIC ACID#
        (NUCLEIC(W)ACID#)
    1566 POLYNUCLEOTIDE#
    388151 DNA
L10   41298 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
        C ACID# OR POLYNUCLEOTIDE# OR DNA)

```

```

FILE 'WPIDS'
    222790 SYNTHETIC
    26857 VARIANT#
    280336 MODIF?
    444897 ALTER?
    58494 NUCLEIC
    963056 ACID#
    58224 NUCLEIC ACID#
        (NUCLEIC(W)ACID#)
    24969 POLYNUCLEOTIDE#
    67823 DNA
L11   24079 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
        C ACID# OR POLYNUCLEOTIDE# OR DNA)

```

```

TOTAL FOR ALL FILES
L12   540814 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
        C ACID# OR POLYNUCLEOTIDE# OR DNA)

```

```

=>
=> s codon(3a)(choice# or preference# or select?)

```

```

FILE 'MEDLINE'
    36464 CODON
    132723 CHOICE#
    48891 PREFERENCE#
    696602 SELECT?
L13   483 CODON(3A)(CHOICE# OR PREFERENCE# OR SELECT?)

```

```

FILE 'SCISEARCH'
    26289 CODON
    130219 CHOICE#
    66819 PREFERENCE#
    901074 SELECT?
L14   466 CODON(3A)(CHOICE# OR PREFERENCE# OR SELECT?)

```

```

FILE 'LIFESCI'

```

14888 CODON  
21235 CHOICE#  
29820 PREFERENCE#  
219247 SELECT?  
L15 353 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'BIOTECHDS'  
5509 CODON  
1567 CHOICE#  
941 PREFERENCE#  
69380 SELECT?  
L16 139 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'BIOSIS'  
30041 CODON  
80708 CHOICE#  
63935 PREFERENCE#  
737169 SELECT?  
L17 522 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'EMBASE'  
29209 CODON  
116614 CHOICE#  
41399 PREFERENCE#  
635973 SELECT?  
L18 397 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'HCAPLUS'  
35766 CODON  
87197 CHOICE#  
43668 PREFERENCE#  
1218386 SELECT?  
L19 752 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'NTIS'  
92 CODON  
19615 CHOICE#  
4936 PREFERENCE#  
165993 SELECT?  
L20 2 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'ESBIOBASE'  
15204 CODON  
35822 CHOICE#  
21565 PREFERENCE#  
284439 SELECT?  
L21 290 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'BIOTECHNO'  
21971 CODON  
8409 CHOICE#  
7785 PREFERENCE#  
148138 SELECT?  
L22 314 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'WPIDS'  
2918 CODON  
28417 CHOICE#  
7521 PREFERENCE#  
1083851 SELECT?  
L23 101 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

TOTAL FOR ALL FILES  
L24 3819 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

```
=> s 112 and 124
FILE 'MEDLINE'
L25          45 L1 AND L13

FILE 'SCISEARCH'
L26          33 L2 AND L14

FILE 'LIFESCI'
L27          25 L3 AND L15

FILE 'BIOTECHDS'
L28          48 L4 AND L16

FILE 'BIOSIS'
L29          40 L5 AND L17

FILE 'EMBASE'
L30          34 L6 AND L18

FILE 'HCAPLUS'
L31          92 L7 AND L19

FILE 'NTIS'
L32          0 L8 AND L20

FILE 'ESBIOBASE'
L33          29 L9 AND L21

FILE 'BIOTECHNO'
L34          23 L10 AND L22

FILE 'WPIDS'
L35          42 L11 AND L23

TOTAL FOR ALL FILES
L36          411 L12 AND L24
```

```
=> s (transcription factor# or splice or poly(w)'a' or polyadenylat? or
promoter) (5a) (site# or sequence#) (15a) (reduc? or lower? or decreas?)
FILE 'MEDLINE'
    258943 TRANSCRIPTION
    2348595 FACTOR#
    111751 TRANSCRIPTION FACTOR#
        (TRANSCRIPTION (W) FACTOR#)
    13839 SPLICE
    60811 POLY
    8462438 'A'
    7064 POLYADENYLAT?
    114212 PROMOTER
    709117 SITE#
    772867 SEQUENCE#
    1242834 REDUC?
    697367 LOWER?
    989197 DECREAS?
L37    1072 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W)'A' OR POLYADENYLAT?
        OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
        DECREAS?)

FILE 'SCISEARCH'
    206396 TRANSCRIPTION
    1427129 FACTOR#
    81271 TRANSCRIPTION FACTOR#
        (TRANSCRIPTION (W) FACTOR#)
```

15335 SPLICE  
 173218 POLY  
 10710218 'A'  
 5640 POLYADENYLAT?  
 116143 PROMOTER  
 764316 SITE#  
 625557 SEQUENCE#  
 1433721 REDUC?  
 807568 LOWER?  
 1005491 DECREAS?  
 L38 940 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
 OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
 DECREAS?)

FILE 'LIFESCI'

107369 "TRANSCRIPTION"  
 316139 FACTOR#  
 38065 TRANSCRIPTION FACTOR#  
 ("TRANSCRIPTION" (W) FACTOR#)  
 6964 SPLICE  
 18239 POLY  
 2164188 'A'  
 4385 POLYADENYLAT?  
 61623 PROMOTER  
 275365 SITE#  
 278853 SEQUENCE#  
 306565 REDUC?  
 150381 LOWER?  
 233423 DECREAS?  
 L39 983 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
 OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
 DECREAS?)

FILE 'BIOTECHDS'

18133 TRANSCRIPTION  
 40511 FACTOR#  
 2710 TRANSCRIPTION FACTOR#  
 (TRANSCRIPTION (W) FACTOR#)  
 1512 SPLICE  
 7435 POLY  
 362448 'A'  
 1755 POLYADENYLAT?  
 34602 PROMOTER  
 38802 SITE#  
 116670 SEQUENCE#  
 51930 REDUC?  
 18572 LOWER?  
 25061 DECREAS?  
 L40 211 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
 OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
 DECREAS?)

FILE 'BIOSIS'

227433 TRANSCRIPTION  
 1311229 FACTOR#  
 71496 TRANSCRIPTION FACTOR#  
 (TRANSCRIPTION (W) FACTOR#)  
 14693 SPLICE  
 143489 POLY  
 8224441 'A'  
 7834 POLYADENYLAT?  
 123104 PROMOTER  
 724935 SITE#  
 560373 SEQUENCE#

1277240 REDUC?  
 758874 LOWER?  
 1099843 DECREAS?  
 L41 1088 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
 OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
 DECREAS?)

FILE 'EMBASE'

245233 "TRANSCRIPTION"  
 1241098 FACTOR#  
 73472 TRANSCRIPTION FACTOR#  
 ("TRANSCRIPTION" (W) FACTOR#)  
 12242 SPLICE  
 52423 POLY  
 7318012 'A'  
 7252 POLYADENYLAT?  
 98071 PROMOTER  
 588096 SITE#  
 555528 SEQUENCE#  
 1172710 REDUC?  
 643641 LOWER?  
 925132 DECREAS?  
 L42 947 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
 OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
 DECREAS?)

FILE 'HCAPLUS'

298758 TRANSCRIPTION  
 1493559 FACTOR#  
 147641 TRANSCRIPTION FACTOR#  
 (TRANSCRIPTION (W) FACTOR#)  
 17560 SPLICE  
 653293 POLY  
 19348706 'A'  
 11357 POLYADENYLAT?  
 166905 PROMOTER  
 918124 SITE#  
 797684 SEQUENCE#  
 2001993 REDUC?  
 873983 REDN  
 2480876 REDUC?  
 (REDUC? OR REDN)  
 1394021 LOWER?  
 2223113 DECREAS?  
 L43 1556 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
 OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
 DECREAS?)

FILE 'NTIS'

1946 TRANSCRIPTION  
 149590 FACTOR#  
 455 TRANSCRIPTION FACTOR#  
 (TRANSCRIPTION (W) FACTOR#)  
 479 SPLICE  
 5636 POLY  
 1681299 'A'  
 13 POLYADENYLAT?  
 1033 PROMOTER  
 124798 SITE#  
 28716 SEQUENCE#  
 181922 REDUC?  
 67970 LOWER?  
 52138 DECREAS?  
 L44 0 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?



OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
DECREAS?)

FILE 'ESBIOBASE'

119145 TRANSCRIPTION  
464688 FACTOR#  
52558 TRANSCRIPTION FACTOR#  
    (TRANSCRIPTION (W) FACTOR#)  
9003 SPLICE  
18691 POLY  
2473497 'A'  
2846 POLYADENYLAT?  
63099 PROMOTER  
479302 SITE#  
257053 SEQUENCE#  
455178 REDUC?  
249570 LOWER?  
360002 DECREAS?  
L45 1053 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
DECREAS?)

FILE 'BIOTECHNO'

160885 TRANSCRIPTION  
296524 FACTOR#  
41412 TRANSCRIPTION FACTOR#  
    (TRANSCRIPTION (W) FACTOR#)  
8894 SPLICE  
21682 POLY  
1454372 'A'  
5860 POLYADENYLAT?  
72959 PROMOTER  
222731 SITE#  
375038 SEQUENCE#  
232937 REDUC?  
106436 LOWER?  
171676 DECREAS?  
L46 1101 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
DECREAS?)

FILE 'WPIDS'

14219 TRANSCRIPTION  
165106 FACTOR#  
2377 TRANSCRIPTION FACTOR#  
    (TRANSCRIPTION (W) FACTOR#)  
10174 SPLICE  
162687 POLY  
2079914 'A'  
1006 POLYADENYLAT?  
34615 PROMOTER  
128605 SITE#  
258843 SEQUENCE#  
2194742 REDUC?  
61104 REDN  
2220158 REDUC?  
    (REDUC? OR REDN)  
1227127 LOWER?  
229814 DECREAS?  
L47 162 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
DECREAS?)

TOTAL FOR ALL FILES

L48            9113 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?  
                 OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR  
                 DECREAS?)

=> s 112(15a)l48

FILE 'MEDLINE'

L49            19 L1 (15A)L37

FILE 'SCISEARCH'

L50            18 L2 (15A)L38

FILE 'LIFESCI'

L51            19 L3 (15A)L39

FILE 'BIOTECHDS'

L52            13 L4 (15A)L40

FILE 'BIOSIS'

L53            15 L5 (15A)L41

FILE 'EMBASE'

L54            18 L6 (15A)L42

FILE 'HCAPLUS'

L55            67 L7 (15A)L43

FILE 'NTIS'

L56            0 L8 (15A)L44

FILE 'ESBIOBASE'

L57            19 L9 (15A)L45

FILE 'BIOTECHNO'

L58            14 L10(15A)L46

FILE 'WPIDS'

L59            22 L11(15A)L47

TOTAL FOR ALL FILES

L60            224 L12(15A) L48

=> s 124 and 148

FILE 'MEDLINE'

L61            0 L13 AND L37

FILE 'SCISEARCH'

L62            0 L14 AND L38

FILE 'LIFESCI'

L63            0 L15 AND L39

FILE 'BIOTECHDS'

L64            0 L16 AND L40

FILE 'BIOSIS'

L65            0 L17 AND L41

FILE 'EMBASE'

L66            0 L18 AND L42

FILE 'HCAPLUS'

L67            1 L19 AND L43

FILE 'NTIS'

```

L68          0 L20 AND L44

FILE 'ESBIOBASE'
L69          0 L21 AND L45

FILE 'BIOTECHNO'
L70          0 L22 AND L46

FILE 'WPIDS'
L71          0 L23 AND L47

TOTAL FOR ALL FILES
L72          1 L24 AND L48

=> s transcription factor#
FILE 'MEDLINE'
      258943 TRANSCRIPTION
      2348595 FACTOR#
L73      111751 TRANSCRIPTION FACTOR#
          (TRANSCRIPTION (W) FACTOR#)

FILE 'SCISEARCH'
      206396 TRANSCRIPTION
      1427129 FACTOR#
L74      81271 TRANSCRIPTION FACTOR#
          (TRANSCRIPTION (W) FACTOR#)

FILE 'LIFESCI'
      107369 "TRANSCRIPTION"
      316139 FACTOR#
L75      38065 TRANSCRIPTION FACTOR#
          ("TRANSCRIPTION" (W) FACTOR#)

FILE 'BIOTECHDS'
      18133 TRANSCRIPTION
      40511 FACTOR#
L76      2710 TRANSCRIPTION FACTOR#
          (TRANSCRIPTION (W) FACTOR#)

FILE 'BIOSIS'
      227433 TRANSCRIPTION
      1311229 FACTOR#
L77      71496 TRANSCRIPTION FACTOR#
          (TRANSCRIPTION (W) FACTOR#)

FILE 'EMBASE'
      245233 "TRANSCRIPTION"
      1241098 FACTOR#
L78      73472 TRANSCRIPTION FACTOR#
          ("TRANSCRIPTION" (W) FACTOR#)

FILE 'HCAPLUS'
      298758 TRANSCRIPTION
      1493559 FACTOR#
L79      147641 TRANSCRIPTION FACTOR#
          (TRANSCRIPTION (W) FACTOR#)

FILE 'NTIS'
      1946 TRANSCRIPTION
      149590 FACTOR#
L80      455 TRANSCRIPTION FACTOR#
          (TRANSCRIPTION (W) FACTOR#)

FILE 'ESBIOBASE'

```

119145 TRANSCRIPTION  
464688 FACTOR#  
L81 52558 TRANSCRIPTION FACTOR#  
(TRANSCRIPTION (W) FACTOR#)

FILE 'BIOTECHNO'  
160885 TRANSCRIPTION  
296524 FACTOR#  
L82 41412 TRANSCRIPTION FACTOR#  
(TRANSCRIPTION (W) FACTOR#)

FILE 'WPIDS'  
14219 TRANSCRIPTION  
165106 FACTOR#  
L83 2377 TRANSCRIPTION FACTOR#  
(TRANSCRIPTION (W) FACTOR#)

TOTAL FOR ALL FILES  
L84 623208 TRANSCRIPTION FACTOR#

=> s 124 and 184  
FILE 'MEDLINE'  
L85 8 L13 AND L73

FILE 'SCISEARCH'  
L86 4 L14 AND L74

FILE 'LIFESCI'  
L87 3 L15 AND L75

FILE 'BIOTECHDS'  
L88 1 L16 AND L76

FILE 'BIOSIS'  
L89 3 L17 AND L77

FILE 'EMBASE'  
L90 3 L18 AND L78

FILE 'HCAPLUS'  
L91 11 L19 AND L79

FILE 'NTIS'  
L92 0 L20 AND L80

FILE 'ESBIOBASE'  
L93 2 L21 AND L81

FILE 'BIOTECHNO'  
L94 2 L22 AND L82

FILE 'WPIDS'  
L95 2 L23 AND L83

TOTAL FOR ALL FILES  
L96 39 L24 AND L84

=> s (136 or 160 or 172 or 196) not 2001-2005/py  
FILE 'MEDLINE'  
2788014 2001-2005/PY  
L97 50 (L25 OR L49 OR L61 OR L85) NOT 2001-2005/PY

FILE 'SCISEARCH'  
5205317 2001-2005/PY

```

                (20010000-20059999/PY)
L98             36 (L26 OR L50 OR L62 OR L86) NOT 2001-2005/PY

FILE 'LIFESCI'
    505761 2001-2005/PY
L99             32 (L27 OR L51 OR L63 OR L87) NOT 2001-2005/PY

FILE 'BIOTECHDS'
    117601 2001-2005/PY
L100            21 (L28 OR L52 OR L64 OR L88) NOT 2001-2005/PY

FILE 'BIOSIS'
    2540926 2001-2005/PY
L101            42 (L29 OR L53 OR L65 OR L89) NOT 2001-2005/PY

FILE 'EMBASE'
    2386957 2001-2005/PY
L102            34 (L30 OR L54 OR L66 OR L90) NOT 2001-2005/PY

FILE 'HCAPLUS'
    5249940 2001-2005/PY
L103            79 (L31 OR L55 OR L67 OR L91) NOT 2001-2005/PY

FILE 'NTIS'
    77832 2001-2005/PY
L104            0 (L32 OR L56 OR L68 OR L92) NOT 2001-2005/PY

FILE 'ESBIOBASE'
    1460326 2001-2005/PY
L105            26 (L33 OR L57 OR L69 OR L93) NOT 2001-2005/PY

FILE 'BIOTECHNO'
    368875 2001-2005/PY
L106            35 (L34 OR L58 OR L70 OR L94) NOT 2001-2005/PY

FILE 'WPIDS'
    4620230 2001-2005/PY
L107            7 (L35 OR L59 OR L71 OR L95) NOT 2001-2005/PY

TOTAL FOR ALL FILES
L108            362 (L36 OR L60 OR L72 OR L96) NOT 2001-2005/PY

=> dup rem l108
PROCESSING COMPLETED FOR L108
L109            126 DUP REM L108 (236 DUPLICATES REMOVED)

```

=> d tot

```

L109 ANSWER 1 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI   Hygromycin-tolerant gene with CTG codon modified into
      leucine codon, applicable as selection marker in
      yeast of Candida genus providing transformants for efficient production
      of e.g. dicarboxylic acid;
      plasmid pUCARS-HGM-mediated gene transfer and expression in Candida
      tropicalis
AU   Tanaka A; Ueda M; Hara A; Misawa A
AN   2001-04352 BIOTECHDS
PI   WO 2000075307 14 Dec 2000

L109 ANSWER 2 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI   Constructing synthetic polynucleotide for targeting
      expression of gene to particular cells or tissues, involves
      substituting one or more codons or parent polynucleotide encoding protein
      with a synonymous codon;

```

plasmid pAOV2-mediated gene transfer and expression in Escherichia coli or transgenic plant using Agrobacterium sp. for gene targeting

AU Zhou J; Frazer I H; Botella Mesa J R  
AN 2000-12546 BIOTECHDS  
PI WO 2000042190 20 Jul 2000

L109 ANSWER 3 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
TI Genotype analysis method, defined as SOMA (short oligonucleotide mass analysis), of short, defined amplification products using electro-spray ionization mass spectrometry, useful for analyzing the genotype of living organisms;

for human genotyping and polymorphism detection using DNA primer  
AU Laken S J; Vogelstein B; Kinzler K W; Groopman J D; Jackson P E; Friesen M D  
AN 2000-11281 BIOTECHDS  
PI WO 2000031300 2 Jun 2000

L109 ANSWER 4 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

TI **Modified synthetic DNA sequences**  
comprise **modification** of the truncated cry9Aa **gene** of Bacillus thuringiensis for improved insect control in plants; transgenic plant construction with improved disease-resistance

AU Kuvshinov V; Kanerva A; Koivu K; Pehu E  
AN 2000-06780 BIOTECHDS  
PI WO 2000011025 2 Mar 2000

L109 ANSWER 5 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Recombinant bioadhesive protein analogs comprising hydroxyproline

SO PCT Int. Appl., 52 pp.

CODEN: PIXXD2

IN Paoletta, David N.; Gruskin, Elliott A.; Buechter, Douglas D.

AN 2000:191212 HCAPLUS

DN 132:232726

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

PI	WO 2000015789	A1	20000323	WO 1999-US20463	19990907
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9959100	A1	20000403	AU 1999-59100	19990907

L109 ANSWER 6 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Molecular evolution of two paralogous tandemly repeated heterochromatic gene clusters linked to the X and Y chromosomes of Drosophila melanogaster

SO Molecular Biology and Evolution (2000), 17(5), 697-702

CODEN: MBEVEO; ISSN: 0737-4038

AU Kogan, Galina L.; Epstein, Vitalii N.; Aravin, Alexei A.; Gvozdev, Vladimir A.

AN 2000:325063 HCAPLUS

DN 133:247903

L109 ANSWER 7 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Prominent expression of the selenoprotein thioredoxin reductase in the medullary rays of the rat kidney and thioredoxin reductase mRNA variants differing at the 5' untranslated region

SO Biochemical Journal (2000), 347(3), 661-668

CODEN: BIJOAK; ISSN: 0264-6021

AU Rundlof, Anna-Klara; Carlsten, Mattias; Giacobini, MaiBritt M. J.; Arner, Elias S. J.

AN 2000:353993 HCAPLUS

DN 133:162024

L109 ANSWER 8 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI Molecular characterization of *Drosophila melanogaster* dihydropteridine reductase  
 SO *Biochimica et Biophysica Acta*, Gene Structure and Expression (2000), 1492(1), 247-251  
 CODEN: BBGSD5; ISSN: 0167-4781  
 AU Park, Dongkook; Park, Sangick; Yim, Jeongbin  
 AN 2000:504957 HCAPLUS  
 DN 133:219415

L109 ANSWER 9 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI Design and cloning of a **modified synthetic gene** for flounder antifreeze peptide  
 SO *Neimenggu Daxue Xuebao*, Ziran Kexueban (2000), 31(2), 216-222  
 CODEN: NDZKEJ; ISSN: 1000-1638  
 AU Erden-Dalai, Wu; Zhu, Ye-rong; Ma, Zhen-yi; Wang, Fei; Kan, Rui  
 AN 2000:307659 HCAPLUS  
 DN 134:83664

L109 ANSWER 10 OF 126 MEDLINE on STN DUPLICATE 2  
 TI Complete nucleotide sequence and characterization of pSNA1 from pimaricin-producing *Streptomyces natalensis* that replicates by a rolling circle mechanism.  
 SO *Plasmid*, (2000 Mar) 43 (2) 159-65.  
 Journal code: 7802221. ISSN: 0147-619X.  
 AU Mendes M V; Aparicio J F; Martin J F  
 AN 2000153817 MEDLINE

L109 ANSWER 11 OF 126 Elsevier BIOBASE COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 2000221942 ESBIIOBASE  
 TI Minicircular plastid DNA in the dinoflagellate *Amphidinium operculatum*  
 AU Barbrook A.C.; Howe C.J.  
 CS A.C. Barbrook, Department of Biochemistry, Cambridge Ctr. Molec. Recognition, University of Cambridge, Tennis Court Road, Cambridge CB2 1QW, United Kingdom.  
 E-mail: acb18@mole.bio.cam.ac.uk  
 SO *Molecular and General Genetics*, (2000), 263/1 (152-158), 22 reference(s)  
 CODEN: MGGEAE ISSN: 0026-8925  
 DT Journal; Article  
 CY Germany, Federal Republic of  
 LA English  
 SL English

L109 ANSWER 12 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI The altered transcription activity influenced by gene-specific sequences within the basal promoter region of human CYP21  
 SO *Frontiers Science Series* (2000), 29, 121-122  
 CODEN: FCFUEO; ISSN: 0915-8502  
 AU Chang, Shwu-Fen; Cheng, Chai-Li; Hsiao, Wei-Chih  
 AN 2000:415974 HCAPLUS  
 DN 134:158437

L109 ANSWER 13 OF 126 MEDLINE on STN DUPLICATE 3  
 TI A test of translational selection at 'silent' sites in the human genome: base composition comparisons in **alternatively spliced genes**.  
 SO *Gene*, (2000 Dec 30) 261 (1) 93-105.  
 Journal code: 7706761. ISSN: 0378-1119.  
 AU Iida K; Akashi H  
 AN 2001151888 MEDLINE

L109 ANSWER 14 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

TI Molecular biology of spider silk;  
 spider silk fibroin protein engineering and expression in silkworm  
 transgenic insect; a review  
 SO Rev.Mol.Biotechnol.; (2000) 74, 2, 85-93  
 CODEN: RMBIFZ ISSN: 1389-0352  
 AU Winkler S; \*Kaplan D  
 AN 2000-11386 BIOTECHDS

L109 ANSWER 15 OF 126 MEDLINE on STN DUPLICATE 4  
 TI Two human gene families display preferences for different nucleotides and  
 have distinct codon usage patterns.  
 SO Experimental and clinical immunogenetics, (2000) 17 (1) 29-41.  
 Journal code: 8411714. ISSN: 0254-9670.  
 AU Skerka C; Abel W O; Zipfel P F  
 AN 2000153271 MEDLINE

L109 ANSWER 16 OF 126 MEDLINE on STN DUPLICATE 5  
 TI Codon optimization of xylanase gene xynB from the thermophilic bacterium  
 Dictyoglomus thermophilum for expression in the filamentous fungus  
 Trichoderma reesei.  
 SO FEMS microbiology letters, (2000 Sep 1) 190 (1) 13-9.  
 Journal code: 7705721. ISSN: 0378-1097.  
 AU Te'o V S; Cziferszky A E; Bergquist P L; Nevalainen K M  
 AN 2001096599 MEDLINE

L109 ANSWER 17 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
 TI Transformation of higher plant with foreign gene having modified  
 poly(A) site;  
 recombinant ferric iron-reductase used to increase the iron content of  
 rice and tobacco transgenic plant particularly to increase the  
 nutritional content  
 AU Mori S; Nakanishi H; Oki H; Yamaguchi H  
 AN 2000-00264 BIOTECHDS  
 PI WO 9948356 30 Sep 1999

L109 ANSWER 18 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
 TI An optimized DNA molecule encoding a protein that degrades the herbicide  
 dalapon;  
 wheat transgenic plant exhibiting herbicide resistance against dalapon  
 AU Gressel J; Galun E; Zhang J  
 AN 1999-10548 BIOTECHDS  
 PI WO 9927116 3 Jun 1999

L109 ANSWER 19 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
 TI Generation of male sterile plants by controlling anther dehiscence.  
 PI WO 9913089 A1 19990318 (199921)\* EN 34 C12N015-56  
 RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
 OA PT SD SE SZ UG ZW  
 W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE  
 GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG  
 MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG  
 US UZ VN YU ZW  
 AU 9890861 A 19990329 (199932) C12N015-56  
 IN CRAZE, M; PAUL, W; ROBERTS, J A

L109 ANSWER 20 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
 TI Site-directed mutagenesis useful for gene therapy.  
 PI US 5935830 A 19990810 (199938)\* 20 C12N015-00  
 IN GALL, A A; GAMPER, H B; KUTYAVIN, I V; MEYER, R B

L109 ANSWER 21 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI Altered spacing of promoter elements due to the dodecamer repeat expansion  
 contributes to reduced expression of the cystatin B gene in EPM1  
 SO Human Molecular Genetics (1999), 8(9), 1791-1798



CODEN: HMGEE5; ISSN: 0964-6906

AU Lalioti, Maria D.; Scott, Hamish S.; Antonarakis, Stylianos E.  
AN 1999:622486 HCAPLUS  
DN 132:11373

L109 ANSWER 22 OF 126 Elsevier BIOBASE COPYRIGHT 2005 Elsevier Science B.V.  
on STN

AN 1999103861 ES BIOBASE

TI Proteome composition and codon usage in spirochaetes: Species-specific  
and DNA strand-specific mutational biases

AU Lafay B.; Lloyd A.T.; McLean M.J.; Devine K.M.; Sharp P.M.; Wolfe K.H.

CS K.H. Wolfe, Department of Genetics, University of Dublin, Trinity  
College, Dublin 2, Ireland.

E-mail: khwolfe@tcd.ie

SO Nucleic Acids Research, (01 APR 1999), 27/7 (1642-1649), 31 reference(s)  
CODEN: NARHAD ISSN: 0305-1048

DT Journal; Article

CY United Kingdom

LA English

SL English

L109 ANSWER 23 OF 126 MEDLINE on STN DUPLICATE 6

TI Alternate **choice** of initiation **codon** produces a  
biologically active product of the von Hippel Lindau gene with tumor  
suppressor activity.

SO Oncogene, (1999 Feb 25) 18 (8) 1529-35.

Journal code: 8711562. ISSN: 0950-9232.

AU Blankenship C; Naglich J G; Whaley J M; Seizinger B; Kley N

AN 1999200767 MEDLINE

L109 ANSWER 24 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI A novel promoter variant of the natriuretic peptide clearance receptor  
gene is associated with lower atrial natriuretic peptide and higher blood  
pressure in obese hypertensives

SO Journal of Hypertension (1999), 17(9), 1301-1305

CODEN: JOHYD3; ISSN: 0263-6352

AU Sarzani, Riccardo; Dessi-Fulgheri, Paolo; Salvi, Fabio; Serenelli,  
Massimiliano; Spagnolo, Diego; Cola, Giovanna; Pupita, Mauro; Giantomassi,  
Laura; Rappelli, Alessandro

AN 1999:627996 HCAPLUS

DN 132:235244

L109 ANSWER 25 OF 126 MEDLINE on STN DUPLICATE 7

TI Vaccine candidate MSP-1 from Plasmodium falciparum: a redesigned 4917 bp  
polynucleotide enables synthesis and isolation of full-length protein from  
Escherichia coli and mammalian cells.

SO Nucleic acids research, (1999 Feb 15) 27 (4) 1094-103.

Journal code: 0411011. ISSN: 0305-1048.

AU Pan W; Ravot E; Tolle R; Frank R; Mosbach R; Turbachova I; Bujard H

AN 1999128299 MEDLINE

L109 ANSWER 26 OF 126 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
STN

TI **Choice** of initiation **codon** determines the subcellular  
fate of Elk-1 and drives neuronal differentiation.

SO Society for Neuroscience Abstracts, (1999) Vol. 25, No. 1-2, pp. 1039.  
print.

Meeting Info.: 29th Annual Meeting of the Society for Neuroscience. Miami  
Beach, Florida, USA. October 23-28, 1999. Society for Neuroscience.  
ISSN: 0190-5295.

AU Vanhoutte, P. [Reprint author]; Brug, B. [Reprint author]; Garcia, M.;  
Besson, M. J. [Reprint author]; Hipskind, R. A.; Caboche, J. [Reprint  
author]

AN 2000:136905 BIOSIS

L109 ANSWER 27 OF 126 MEDLINE on STN DUPLICATE 8  
 TI Transcription factors as targets of anticancer drugs.  
 SO Acta biochimica Polonica, (1999) 46 (2) 255-62. Ref: 40  
 Journal code: 14520300R. ISSN: 0001-527X.  
 AU Gniazdowski M; Czyz M  
 AN 2000012518 MEDLINE

L109 ANSWER 28 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI Mutations in the promoter reveal a cause for the reduced expression of the human manganese superoxide dismutase gene in cancer cells  
 SO Oncogene (1999), 18(1), 93-102  
 CODEN: ONCNES; ISSN: 0950-9232  
 AU Xu, Yong; Krishnan, Anuradha; Wan, X. Steven; Majima, Hideyuki; Yeh, Che-Chung; Ludewig, Gabriele; Kasarskis, Edward J.; St. Clair, Daret K.  
 AN 1999:104510 HCAPLUS  
 DN 130:280060

L109 ANSWER 29 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI **Synthetic genes** for recombinant Mycobacterium antigen 85 proteins  
 SO PCT Int. Appl., 54 pp.  
 CODEN: PIXXD2  
 IN Lakey, David; Kernodle, Douglas S.; Edwards, Kathryn M.; Voladri, Rama K. R.  
 AN 1998:550500 HCAPLUS  
 DN 129:185077

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 9835029	A1	19980813	WO 1998-US2341	19980206
	W: AU, CA, IL, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9861487	A1	19980826	AU 1998-61487	19980206

L109 ANSWER 30 OF 126 LIFESCI COPYRIGHT 2005 CSA on STN DUPLICATE 9  
 TI The Novel Core Promoter Element GAAC in the hgl5 Gene of Entamoeba histolytica Is Able to Direct a Transcription Start Site Independent of TATA or Initiator Regions  
 SO Journal of Biological Chemistry [J. Biol. Chem.], (19980821) vol. 273, no. 34, pp. 21663-21668.  
 ISSN: 0021-9258.  
 AU Singh, U.; Rogers, J.B.  
 AN 1999:39965 LIFESCI

L109 ANSWER 31 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI Gene structure, promoter characterization, and basis for alternative mRNA splicing of the human CD58 gene  
 SO Journal of Immunology (1998), 160(6), 2862-2871  
 CODEN: JOIMA3; ISSN: 0022-1767  
 AU Wallich, Reinhard; Brenner, Christiane; Brand, Yvonne; Roux, Matthias; Reister, Manuel; Meuer, Stefan  
 AN 1998:181437 HCAPLUS  
 DN 128:307258

L109 ANSWER 32 OF 126 MEDLINE on STN DUPLICATE 10  
 TI Importance of the glycosylation and polyadenylation variants in metachromatic leukodystrophy pseudodeficiency phenotype.  
 SO Human molecular genetics, (1998 Aug) 7 (8) 1215-9.  
 Journal code: 9208958. ISSN: 0964-6906.  
 AU Harvey J S; Carey W F; Morris C P  
 AN 1998334538 MEDLINE

L109 ANSWER 33 OF 126 MEDLINE on STN  
 TI Rate variation of DNA sequence evolution in the Drosophila lineages.

SO Genetics, (1998 Jun) 149 (2) 959-70.  
Journal code: 0374636. ISSN: 0016-6731.

AU Takano T S  
AN 1998278813 MEDLINE

L109 ANSWER 34 OF 126 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI UGA read-through artifacts: When popular gene expression systems need a patch.

SO Biotechniques, (May, 1998) Vol. 24, No. 5, pp. 789-794. print.  
CODEN: BTNQDO. ISSN: 0736-6205.

AU Macbeath, Gavin; Kast, Peter [Reprint author]  
AN 1998:270967 BIOSIS

L109 ANSWER 35 OF 126 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Transcript heterogeneity of the human reduced folate carrier results from the use of multiple promoters and variable splicing of alternative upstream exons.

SO Biochemical Journal, (June 15, 1998) Vol. 332, No. 3, pp. 773-780. print.  
ISSN: 0264-6021.

AU Zhang, Long; Wong, So C.; Matherly, Larry H. [Reprint author]  
AN 1998:347197 BIOSIS

L109 ANSWER 36 OF 126 MEDLINE on STN DUPLICATE 11

TI Gene synthesis by a LCR-based approach: high-level production of leptin-L54 using **synthetic gene** in Escherichia coli.

SO Biochemical and biophysical research communications, (1998 Jul 9) 248 (1) 200-3.  
Journal code: 0372516. ISSN: 0006-291X.

AU Au L C; Yang F Y; Yang W J; Lo S H; Kao C F  
AN 1998340875 MEDLINE

L109 ANSWER 37 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Structural organization of the human reduced folate carrier gene: evidence for 5' heterogeneity in lymphoblast mRNA

SO Somatic Cell and Molecular Genetics (1998), 24(3), 143-156  
CODEN: SCMGDN; ISSN: 0740-7750

AU Williams, Frederick M. R.; Flintoff, Wayne F.  
AN 1999:274852 HCAPLUS  
DN 131:98335

L109 ANSWER 38 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Design and synthesis of new cecropin gene and its expression in Saccharomyces cerevisiae. (I). Design and synthesis of hybrid cecropin gene

SO Huanan Ligong Daxue Xuebao, Ziran Kexueban (1998), 26(3), 60-63  
CODEN: HLDKEZ; ISSN: 1000-565X

AU Zheng, Qing; Bao, Shixiang; Yao, Ruhua; Shu, Zhihui; Huang, Ziran; Zheng, Xueqin; Wang, Yuguang  
AN 1998:510220 HCAPLUS  
DN 129:271194

L109 ANSWER 39 OF 126 MEDLINE on STN DUPLICATE 12

TI AML1A and AML1B can transactivate the human IL-3 promoter.

SO Journal of immunology (Baltimore, Md. : 1950), (1997 Mar 1) 158 (5) 2251-8.  
Journal code: 2985117R. ISSN: 0022-1767.

AU Uchida H; Zhang J; Nimer S D  
AN 97188387 MEDLINE

L109 ANSWER 40 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN DUPLICATE 13

TI Fourteen novel mucopolysaccharidosis IVA producing mutations in GALNS gene

SO HUMAN MUTATION, (SUM 1997) Vol. 10, No. 5, pp. 368-375.  
ISSN: 1059-7794.

AU Tomatsu S (Reprint); Fukuda S; Cooper A; Wraith J E; Ferreira P; DiNatale P; Tortora P; Fujimoto A; Kato Z; Yamada N; Isogai K; Yamagishi A; Sukegawa K; Suzuki Y; Shimozawa N; Kondo N; Sly W S; Orii T

AN 1997:797567 SCISEARCH

L109 ANSWER 41 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Bacterial expression and purification of biologically active mouse c-Fos proteins by **selective codon** optimization

SO FEBS Letters (1997), 409(2), 269-272  
CODEN: FEBLAL; ISSN: 0014-5793

AU Deng, Tiliang

AN 1997:358111 HCAPLUS

DN 127:61294

L109 ANSWER 42 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN  
DUPLICATE 14

TI Characteristics of nucleotide substitution in the hepatitis C virus genome: Constraints on sequence change in coding regions at both ends of the genome

SO JOURNAL OF MOLECULAR EVOLUTION, (SEP 1997) Vol. 45, No. 3, pp. 238-246.  
ISSN: 0022-2844.

AU Smith D B (Reprint); Simmonds P

AN 1997:696520 SCISEARCH

L109 ANSWER 43 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Designing small antimicrobial peptides and their encoding genes

SO Micropropagation, Genetic Engineering, and Molecular Biology of Populus (1997), 165-172. Editor(s): Klopfenstein, Ned B. Publisher: Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colo.  
CODEN: 66AIA6

AU Powell, William A.; Maynard, Charles A.

AN 1998:311227 HCAPLUS

DN 129:104713

L109 ANSWER 44 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI The polyhomeotic locus of Drosophila melanogaster is transcriptionally and post-transcriptionally regulated during embryogenesis

SO Mechanisms of Development (1997), 66(1,2), 69-81  
CODEN: MEDVE6; ISSN: 0925-4773

AU Hodgson, Jacob W.; Cheng, Niansheng Nick; Sinclair, Donald A. R.; Kyba, Michael; Randsholt, Neel B.; Brock, Hugh W.

AN 1997:555476 HCAPLUS

DN 127:288996

L109 ANSWER 45 OF 126 MEDLINE on STN  
DUPLICATE 15

TI PHA synthase activity controls the molecular weight and polydispersity of polyhydroxybutyrate in vivo.

SO Nature biotechnology, (1997 Jan) 15 (1) 63-7.  
Journal code: 9604648. ISSN: 1087-0156.

AU Sim S J; Snell K D; Hogan S A; Stubbe J; Rha C; Sinskey A J

AN 97187655 MEDLINE

L109 ANSWER 46 OF 126 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN  
DUPLICATE 16

TI PHA synthase activity controls the molecular weight and polydispersity of polyhydroxybutyrate in vivo.

SO Nature Biotechnology, (1997) Vol. 15, No. 1, pp. 63-67.  
Refs: 40  
ISSN: 0733-222X CODEN: NABIF

AU Sang Jun Sim; Snell K.D.; Hogan S.A.; Stubbe J.; Rha C.; Sinskey A.J.

AN 97017812 EMBASE

L109 ANSWER 47 OF 126 MEDLINE on STN DUPLICATE 17  
 TI Synthetic spider dragline silk proteins and their production in  
 Escherichia coli.  
 SO Applied microbiology and biotechnology, (1997 Jan) 47 (1) 23-32.  
 Journal code: 8406612. ISSN: 0175-7598.  
 AU Fahnestock S R; Irwin S L  
 AN 97187960 MEDLINE

L109 ANSWER 48 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI mRNA sequences influencing translation and the selection of AUG initiator  
 codons in the yeast Saccharomyces cerevisiae  
 SO Molecular Microbiology (1996), 19(6), 1225-39  
 CODEN: MOMIEE; ISSN: 0950-382X  
 AU Yun, Ding-Fang; Laz, Thomas M.; Clements, John M.; Sherman, Fred  
 AN 1996:213485 HCAPLUS  
 DN 124:255644

L109 ANSWER 49 OF 126 MEDLINE on STN DUPLICATE 18  
 TI An improved plasmid DNA expression vector for direct injection into  
 skeletal muscle.  
 SO Human gene therapy, (1996 Jun 20) 7 (10) 1205-17.  
 Journal code: 9008950. ISSN: 1043-0342.  
 AU Hartikka J; Sawdey M; Cornefert-Jensen F; Margalith M; Barnhart K; Nolasco  
 M; Vahlsing H L; Meek J; Marquet M; Hobart P; Norman J; Manthorpe M  
 AN 96385715 MEDLINE

L109 ANSWER 50 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation  
 on STN DUPLICATE 19  
 TI Molecular basis of congenital bilateral absence of the vas deferens  
 SO M S-MEDECINE SCIENCES, (APR 1996) Vol. 12, No. 4, pp. 485-490.  
 ISSN: 0767-0974.  
 AU Ferec C (Reprint); Verlingue C; Mercier B  
 AN 1996:313485 SCISEARCH

L109 ANSWER 51 OF 126 MEDLINE on STN DUPLICATE 20  
 TI What drives **codon choices** in human genes?.  
 SO Journal of molecular biology, (1996 Oct 4) 262 (4) 459-72.  
 Journal code: 2985088R. ISSN: 0022-2836.  
 AU Karlin S; Mrazek J  
 AN 97049126 MEDLINE

L109 ANSWER 52 OF 126 MEDLINE on STN DUPLICATE 21  
 TI Analysis of the K-ras and p53 pathways in X-ray-induced lung tumors in the  
 rat.  
 SO Radiation research, (1996 Apr) 145 (4) 449-56.  
 Journal code: 0401245. ISSN: 0033-7587.  
 AU Belinsky S A; Middleton S K; Picksley S M; Hahn F F; Nikula K J  
 AN 96177542 MEDLINE

L109 ANSWER 53 OF 126 MEDLINE on STN DUPLICATE 22  
 TI Codon usage limitation in the expression of HIV-1 envelope glycoprotein.  
 SO Current biology : CB, (1996 Mar 1) 6 (3) 315-24.  
 Journal code: 9107782. ISSN: 0960-9822.  
 AU Haas J; Park E C; Seed B  
 AN 96398788 MEDLINE

L109 ANSWER 54 OF 126 LIFESCI COPYRIGHT 2005 CSA on STN DUPLICATE 23  
 TI Expression of Bacillus thuringiensis delta -endotoxin genes in transgenic  
 plants  
 SO BIOTECNOL. APL., (19961200) vol. 13, no. 4, pp. 251-260.  
 ISSN: 0864-4551.  
 AU de la Riva, G.A.; Adang, M.J.  
 AN 97:107840 LIFESCI

L109 ANSWER 55 OF 126 MEDLINE on STN DUPLICATE 24  
 TI Transcription of *Bacillus subtilis* *degR* is sigma D dependent and suppressed by multicopy *proB* through sigma D.  
 SO Journal of bacteriology, (1996 Jan) 178 (1) 216-22.  
 Journal code: 2985120R. ISSN: 0021-9193.  
 AU Ogura M; Tanaka T  
 AN 96125250 MEDLINE

L109 ANSWER 56 OF 126 MEDLINE on STN DUPLICATE 25  
 TI Construction of an insecticidal baculovirus expressing insect-specific neurotoxin AaIT.  
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 Journal code: 9611809. ISSN: 1006-9305.  
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L109 ANSWER 57 OF 126 MEDLINE on STN DUPLICATE 26  
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L109 ANSWER 60 OF 126 MEDLINE on STN DUPLICATE 29  
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L109 ANSWER 61 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
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L109 ANSWER 65 OF 126 LIFESCI COPYRIGHT 2005 CSA on STN  
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L109 ANSWER 66 OF 126 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN DUPLICATE 32  
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L109 ANSWER 68 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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 CODEN: GENED6; ISSN: 0378-1119  
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L109 ANSWER 69 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
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L109 ANSWER 70 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation  
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L109 ANSWER 72 OF 126 MEDLINE on STN DUPLICATE 35

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L109 ANSWER 73 OF 126 MEDLINE on STN DUPLICATE 36

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L109 ANSWER 74 OF 126 MEDLINE on STN DUPLICATE 37

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L109 ANSWER 75 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

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CODEN: GENED6; ISSN: 0378-1119

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L109 ANSWER 76 OF 126 MEDLINE on STN DUPLICATE 38

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Journal code: 7706761. ISSN: 0378-1119.

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L109 ANSWER 77 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation  
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L109 ANSWER 78 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
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 e.g. L-lactate-dehydrogenase enzyme engineering method; enzyme application in stereospecific 2-oxo-4-phenylpropionic acid or 4-methyl-2-oxo-3-pentenoic acid reduction  
 AN 1993-12450 BIOTECHDS  
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L109 ANSWER 79 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
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L109 ANSWER 80 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
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 PI JP 05260981 A 19931012 (199345)\* 20 C12N015-54  
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L109 ANSWER 81 OF 126 MEDLINE on STN DUPLICATE 39  
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L109 ANSWER 82 OF 126 MEDLINE on STN  
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L109 ANSWER 83 OF 126 MEDLINE on STN DUPLICATE 40  
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L109 ANSWER 84 OF 126 LIFESCI COPYRIGHT 2005 CSA on STN DUPLICATE 41  
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L109 ANSWER 85 OF 126 MEDLINE on STN  
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AN 1993:464212 HCAPLUS  
DN 119:64212

L109 ANSWER 87 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
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relative codon usage determination for enhanced recombinant protein preparation, artificial gene construction, source strain identification, translation pause site introduction, etc.  
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PI US 5082767 21 Jan 1992

L109 ANSWER 88 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: PRENE9; ISSN: 0269-2139  
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DN 118:117657

L109 ANSWER 89 OF 126 MEDLINE on STN DUPLICATE 43  
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Journal code: 7706761. ISSN: 0378-1119.  
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L109 ANSWER 90 OF 126 MEDLINE on STN DUPLICATE 44  
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L109 ANSWER 91 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: PNASA6; ISSN: 0027-8424  
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L109 ANSWER 92 OF 126 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
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L109 ANSWER 93 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: NARHAD; ISSN: 0305-1048  
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L109 ANSWER 94 OF 126 MEDLINE on STN DUPLICATE 45  
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L109 ANSWER 95 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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L109 ANSWER 96 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation  
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ISSN: 0011-3891.  
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L109 ANSWER 97 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: GENED6; ISSN: 0378-1119  
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Kotts, Claire E.  
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L109 ANSWER 98 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: GENED6; ISSN: 0378-1119  
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DN 116:1654

L109 ANSWER 99 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

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SO Biol.Recombinant Microorg.Anim.Cells; (1991) Oholo 34 Meet., 83-89

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L109 ANSWER 100 OF 126 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN

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CODEN: MOENEN ISSN: 0888-8809

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L109 ANSWER 101 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

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*Escherichia coli* dihydrofolate-reductase and *Gluconobacter scleroideus* glucose-dehydrogenase; NADPH coenzyme regeneration; potential mamma and colon tumor therapy

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L109 ANSWER 102 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

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CODEN: ZECEAL; ISSN: 0044-2402

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L109 ANSWER 103 OF 126 MEDLINE on STN DUPLICATE 47

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L109 ANSWER 104 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

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CODEN: ACSRAL

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L109 ANSWER 105 OF 126 MEDLINE on STN

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L109 ANSWER 106 OF 126 MEDLINE on STN DUPLICATE 48  
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 Journal code: 2985088R. ISSN: 0022-2836.  
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L109 ANSWER 107 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
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**reductase gene promoter DNA sequence variant** construction  
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 CODEN: GENED6  
 AU Smith M L; \*Crouse G F  
 AN 1990-05453 BIOTECHDS

L109 ANSWER 108 OF 126 MEDLINE on STN DUPLICATE 49  
 TI Definition of cis-acting elements regulating expression of the Drosophila melanogaster ninaE opsin gene by oligonucleotide-directed mutagenesis.  
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 Journal code: 0374636. ISSN: 0016-6731.  
 AU Mismar D; Rubin G M  
 AN 89137954 MEDLINE

L109 ANSWER 109 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
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 PI JP 63164898 A 19880708 (198833)\* 19

L109 ANSWER 110 OF 126 MEDLINE on STN DUPLICATE 50  
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L109 ANSWER 111 OF 126 LIFESCI COPYRIGHT 2005 CSA on STN  
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L109 ANSWER 112 OF 126 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
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 CODEN: JOVIAM ISSN: 0022-538X  
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L109 ANSWER 113 OF 126 MEDLINE on STN DUPLICATE 51  
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 Journal code: 8209875. ISSN: 0253-5823.

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L109 ANSWER 114 OF 126 MEDLINE on STN DUPLICATE 52  
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Journal code: 8403568. ISSN: 0740-7750.  
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AN 88290826 MEDLINE

L109 ANSWER 115 OF 126 MEDLINE on STN DUPLICATE 53  
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Journal code: 8208664. ISSN: 0261-4189.  
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L109 ANSWER 116 OF 126 MEDLINE on STN  
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Journal code: 8403568. ISSN: 0740-7750.  
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L109 ANSWER 117 OF 126 MEDLINE on STN DUPLICATE 54  
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Journal code: 7505876. ISSN: 0027-8424.  
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L109 ANSWER 118 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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L109 ANSWER 119 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
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high level expression system regulation and controlled feeding  
schedule application  
SO Chem.Eng.Comm. (1986) 45, 1-6, 229-40  
CODEN: CEGCAK  
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AN 1987-06777 BIOTECHDS

L109 ANSWER 120 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
TI Microbial expression of type I transforming growth factor, its polypeptide analogs and hybrid EGF/TGF polypeptides  
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CODEN: PIXXD2  
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DN 103:155264  
PATENT NO. KIND DATE APPLICATION NO. DATE  
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L109 ANSWER 121 OF 126 MEDLINE on STN DUPLICATE 56  
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L109 ANSWER 122 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
TI DNA sequences, recombinant DNA molecules and processes for producing bovine growth hormone-like polypeptides in high yield  
SO Eur. Pat. Appl., 31 pp.  
CODEN: EPXXDW  
IN Buell, Gary Nutter  
AN 1984:418487 HCAPLUS  
DN 101:18487  
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R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE  
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L109 ANSWER 124 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: PIXXD2  
IN Stabinsky, Yitzhak  
AN 1984:133585 HCAPLUS  
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PATENT NO. KIND DATE APPLICATION NO. DATE  
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RW: AT, BE, CH, DE, FR, GB, LU, NL, SE  
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L109 ANSWER 125 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
 TI Production of genes for Escherichia coli transformation - useful in  
 preparation of

urogastrone polypeptide and analogues.

PI WO 8304030 A 19831124 (198348)\* EN 34

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L109 ANSWER 126 OF 126 MEDLINE on STN DUPLICATE 58

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AU Horn G T; Wells R D

AN 81117294 MEDLINE

=> save temp l109 codon/a

ANSWER SET L109 HAS BEEN SAVED AS 'CODON/A'

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

334.70

335.18

STN INTERNATIONAL LOGOFF AT 17:11:54 ON 07 DEC 2005